

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (Currently amended) An arrangement for manufacturing a PET container having a handle formed on a body by continuous injection blow mold ~~a PET container having a handle formed on a body~~, comprising:

a first temperature controlled preform blow mold for blowing air into a PET preform manufactured by injection molding to expand the PET preform in a predetermined ratio to form a first PET container with a volume between 60-80% of a completed PET container and having an elliptical hollow portion of uniform thickness formed at the center, so as to allow a handle section to be compressed,

wherein the first temperature controlled preform creates a temperature variation in a circumferential direction of the preform by heating an outer peripheral portion of the preform corresponding to a minor axis of an ellipsoid of the first PET container after blow molding the preform higher than an outer peripheral portion of the preform corresponding to a major axis of the ellipsoid of the first PET container after blow molding the preform;

a second temperature controlled preform blow mold for blowing air into the first PET container to form a second PET container with a volume between 70-90% of the completed PET container having a handle forming apparatus for compressing both sides of the PET container to form the handle section;

a cutting apparatus for cutting off the compressed portion of the handle section of the PET container compressed by the handle forming apparatus;

a bonding apparatus for bonding a cut-off portion remaining in the handle section of the PET container after cutting off the compressed portion of the handle section of the PET container; and

a third ~~temperature controlled~~ bottle-shaped blow mold for blowing air into the second PET container to form the completed PET container having a handle forming portion of which

the opposing two parts are configured to meet each other when they penetrate the body of the PET container through the cut-off aperture of the handle section for embedding a bonded cut-off portion remaining in the handle section into the PET container.

2. (Previously presented) The arrangement of claim 1, wherein the bonding apparatus is an insert injection mold for bonding ends of the cut-off portion to each other by insert injection, the insert injection mold including a compressing member for compressing both sides of an intermediate portion of the cut-off portion remaining in the handle section after cutting off the compressed portion of the handle section.

3. (Previously presented) The arrangement of claim 1, wherein the cutting apparatus includes a mold punch apparatus with a heater installed on an end, the heater capable of maintaining a temperature between 260 to 300 degrees Celsius to form a blunt, non-crystallized cut-off portion.

4 – 5. (Canceled)

6. (Currently amended) A method of manufacturing a PET container having a handle formed on a body by continuous injection blow mold ~~a PET container having a handle formed on a body~~, comprising the steps of:

a) performing a first blowing operation in a first temperature controlled preform blow mold to blow compressed air into a preform manufactured by injection molding in order to form a first hollow PET container with a volume between 60-80% of a completed PET container and having an elliptical hollow portion of uniform thickness formed at the center, after mounting the preform to a preform blow mold,

wherein the elliptical hollow portion is formed by creating a temperature variation in the circumferential direction of the preform by heating an outer peripheral portion of the preform corresponding to a minor axis of an ellipsoid of the first PET container after

blow molding the preform higher than an outer peripheral portion of the preform corresponding to a major axis of the ellipsoid of the first PET container after blow molding the preform;

b) performing a second blowing operation in a second temperature controlled preform blow mold with a handle forming apparatus to blow compressed air into a first hollow PET container to form a second PET container with a volume between 70-90% of the completed PET container;

c) compressing a handle section with a handle forming apparatus in order to form a third PET container having a handle section formed on a predetermined area of the third PET container;

d) cutting off a compressed portion of the handle section of the third PET in order to form a fourth PET container;

e) bonding a cut-off portion remaining in the handle section of the fourth PET container after step d) to a predetermined thickness, forming a fifth PET container; and

f) performing a third blowing operation in a third ~~temperature controlled~~ preform blow mold having a handle forming portion of which the opposing two parts are configured to meet each other when they penetrate the body of the fifth PET container through the cut-off aperture of the handle section to blow compressed air into the fifth PET container in order to form a completed PET container having the bonded cut-off portion of the handle section embedded into the completed PET container.

7. (Canceled)

8. (Previously presented) The method of claim 6, wherein, when the third PET container has a large thickness, the step d) is performed by use of a mold punch apparatus with a heater installed on an end, the heater capable of maintaining a temperature between 260 to 300 degrees Celsius to form a blunt, non-crystallized cut-off portion.

9 -10. (Canceled)

11. (Previously presented) The method of claim 6, wherein the bonding process of the step e) is preformed through insert injection molding in a insert injection mold.

12-24. (Canceled)

25. (Previously presented) The method of claim 6, wherein the bonding process of the step e) comprising:

compressing both sides of an intermediate portion of the cut-off portion remaining in the handle section after cutting off a compressed portion of the handle section with a compressing member included in a insert injection mold; and

bonding ends of the cut-off portion to each other by insert injection with the insert injection mold.

26. (Previously presented) The arrangement of claim 1, wherein the surface of the handle forming apparatus is configured to allow opposing ends of a cut-off portion to be separated from each other following removal of a compressed portion of the handle section by a cutting apparatus.

27. (Previously presented) The method of claim 6, wherein the opposing ends of the cut-off portion following step d) are separated from each other. _____